

Page 1 of 1

All amounts are calculated in domestic currency.

All Line Item Types

[illegible]

DATE

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT TRE
RAPPORTES IMMDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY.
RETOUR DE MARCHANDISES AVEC NOTRE NUMRO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Page: 1 ... Continued

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.
ATTN: CHANTAL/LINDA
** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

Heat Number
201417850
ZC00191057

*** Chemical Analysis ***

B I L L O F L A D I N G - R E P R I N T			
=====			
1) Our order PEC-740272- 1 Your PO # 26417			
ALUMINUM FLT BAR ECONOPLT 6061-T6511			
.500" X 10.00" X 144.0000"			
Heat Number	201417850	Tag No	171454
PLANCHE#1 R307	ZC00191057	Quantity	24 FT
PLANCHE#1		PCS	2
		Gr LBS	175
		Net Wt	141
		Wt LBS	138
Total:			
		48 FT	313
2) Our order PEC-740272- 2 Your PO # 26417			
ALUMINUM ROUND BAR 6061-T6511			
3.00" DIA X 72.0000"			
Heat Number	ZC0067187	Tag No	286483
Quantity	6 FT	PCS	1
Wt LBS	50	Gr LBS	363
Net Wt	329	PCS	5
TOTAL:		Tags	3

Tel: 613-632-9577 Fax: 613-632-1053

HAWKESBURY, ON K6A 1K7

1270 ABERDEEN ST

DART AEROSPACE

Ship To: (1)

Tel: 514-337-0161 Fax: 514-745-2968

ST. LAURENT, QC H4S 1A7

4700 BOIS FRANÇ

THYSSENKRUPP MATERIAUX NA

Ship From:

B I L L O F L A D I N G

No:

VIM 439734

Ship Date

12Nov14 at

9:03 From VFW

Probill

Via VIM DELIVERY

FOB CONCORD

Prepaid

Route 0 - 0 Manifest

Trailer

Slp STAN IVERS (905-532-1350)

Sold To: (20115)

DART AEROSPACE

1270 ABERDEEN ST

HAWKESBURY, ON K6A 1K7

8014-11-12

DATE

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY.
RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Page: 2 ... Last

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINIUM • BRASS • COPPER • PLASTICS • STAINLESS

***UNE SURCHARGE D'ENERGIE DE \$25.00
SERA AJOUTEE A CHAQUE COMMANDE.***
***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***
*** POUR VOS BESOINS D'ACIER INOXYDABLE,
CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600*
*** FOR ALL YOUR STAINLESS STEEL NEEDS, CALL US.
*** WE HAVE IT! *** TEL. 800-926-2600 ***

B I L L O F L A D I N G - REPRINT

No: VIM 439734
Ship Date 12Nov14 at 9:03 From VFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0 - 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship From: THYSSENKRUPP MATERIAUX NA
4700 BOIS FRANCO
ST. LAURENT, QC H4S 1A7
Tel: 514-337-0161 Fax: 514-745-2968
Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

DATE

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE
RAPPORTÉES IMMEDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUT DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Page: 1 ... Continued

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT. *** 9:00 AM TO 4:00 PM ***
***** TEL. 800-926-2600 *****
* WE STOCK STAINLESS STEEL
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT

TOTAL 1 BDL GW. 268 LBS

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **
ATTN: CHANTAL/LINDA
TO SHIPPING.
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
MILL TEST REPORTS, PACKING SLIPS ARE TO SENT

Heat Number 302021

*** Chemical Analysis ***

TOTAL:

Tags	PCS	WT LBS
1	1	245

Quantity	PCS	WT LBS
3.38 SFT	1	245

MTR

B I L L O F L A D I N G
1) Our order PEC-740363- 1 Your PO # 26417
ALUMINUM PLATE 7075-T651
5.00" THICK X 4.5000" X 108.0000"
Heat Number 302021
Tag No 351522

Tel: 613-632-9577 Fax: 613-632-1053

HAWKESBURY, ON K6A 1K7

1270 ABERDEEN ST

DART AEROSPACE

Ship To: (1)

Sold To: (20115)

Slp STAN IVERS (905-532-1350)

Trailer

Route 0 - 0 Manifest

Frt PREPAID

FOB CONCORD

Via VIM TRANSFER

Probill

Ship Date 11Nov14 at 12:29 From PFW

No: PEC 905368

Tel: 905 669 9444 Fax: 905-738-9033

CONCORD, ONTARIO L4K 5C6

2821 LANGSTAFF ROAD

THYSSENKRUPP MATERIALS NA

Ship From:

B I L L O F L A D I N G

DATE

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT TRE
RAPPORTES IMMDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMRO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

ALUMINIUM - LAITON - CUIVRE - PLASTIQUE - ACIER INOX
ALUMINUM - BRASS - COPPER - PLASTICS - STAINLESS

Page: 2 Last



B I L L O F L A D I N G
***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

No: PEC 905368
Ship Date 11Nov14 at 12:29 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Rt PREPAID
Route 0 - 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033
Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

PO/Ref 26417
Nous certifions que le document reproduit ici est
une copie conforme du rapport fourni par le
producteur du matériel ou les données résultant de



Can Do.

Service Center Metals
5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS
FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
213934	2

BILL TO	MANUFACT NUMBER	DIE NUMBER	DATE OF SHIPMENT
ThyssenKrupp Materials NA	237573	PL0734	9/16/2014
SHIP TO	CUSTOMER PO	ALLOY/TENDER	SALES PERSON
ThyssenKrupp Materials NA, Montreal	VIM-627723	6061-T6511	David Schroeder
Quantity Certified	CUSTOMER PART NUMBER	DESCRIPTION	
917 lbs	PL0734	PL 500 x 10.00	

CERTIFICATION
ASTM-B221-13 StencilCont
SPECIFICATION
AMS-QQA-200/8 - 1997

Items produced and certified as 6061-T6511
also meet the requirements of 6061-T6

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCM extrusions are manufactured in the USA.

Mechanical Properties

Tests Lot No.

Test Date 9/7/14

Yield Strength (KSI)	Percent Elongation
min max	min max
42.60 42.60	15.65 15.65

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Total	Others	Melt Source:
2K140818C-0712	6061	0.61	0.28	0.19	0.03	0.84	0.06	0.02	0.02	97.96	0.05	0.15		United States of America
2M140821C-0514	6061	0.63	0.27	0.20	0.04	0.85	0.07	0.02	0.02	97.92	0.05	0.15		United States of America

THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results

BL VIM-439734-001

11NOV14
Pg 1/1

L'analyse faite par un laboratoire qualifié.

SIGNE PAR:

Nous certifions que le document reproduit ici est une copie conforme du rapport fourni par le producteur du matériel ou les données résultant de

PO/Rd 26417

DART AÉROSPACE
ALUMINUM FLT BAR ECONOPLT 6061-T6511
500" X 10.00" X 144.0000"
PART NO.

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT
<http://online.kaiseraluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: VIM-627707-2		CUSTOMER PART NUMBER: W60/STK		PRODUCT DESCRIPTION: 500 X 10.00 PRECISION WIDE BAR	
KAISER ORDER NUMBER: 672925	LINE ITEM: 002	SHIP DATE: 09/05/2014	KAISER LOT NUMBER: Z00191057	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1152.000 LB	QUANTITY: 16.000 PCS	B/L NUMBER: 609820	SOLD TO:		
THYSSENKRUPP CANADA 4700 BOIS FRANCO ST LAURENT, PQ H4S 1A7 CANADA			THYSSENKRUPP CANADA 4700 BOIS FRANCO ST LAURENT, PQ H4S 1A7 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00191057	0001	1	43.6	41.3	12.5	RE 50	N/A	N/A
Z00191057	0002	2	44.8	42.3	11.9	RE 92	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.03	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.30
104036	.63	.27	.20	.07	.85	.07	.02	.02	.00	.00	.00	.01	.03

Applicable Requirements:

ASTM-B221-13 STENCILED ASME-SR221 1998 SECT II AMS-QQ-A-200/897 (REAF 2012) UNS#A96061 (T6511 also conforms to W6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Almeo L. Macowski, Quality & Technology Manager

Almeo L. Macowski

Plant Serial: 00147240
Kaiser Order Number: 672925
Line Item: 002

Page 1 of 1

Certificate of Mill Test Results

THYSSENKRUPP MATERIALS NA

11 Nov 14
Pg 1/2

DART AEROSPACE
ALUMINUM ROUND BAR 6061-T6511
3.00" DIA X 72.0000"

PO/Rd 26417
Nous certifions que le document reproduit ici est une copie conforme du rapport fourni par le producteur du matériel ou les données résultant de

CERTIFIED TEST REPORT
<http://Online.KaiserAluminum.com>

Best in Class

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER:		VIM-628487-2		R72/STK		PRODUCT DESCRIPTION:		KAISERSELECT PRECISION ROD 3.000+/- .008	
SHIP DATE:		10/24/2014		SHIP DATE:		KAISER LOT NUMBER:		6061	
QUANTITY:		22,000 PCS		B/L NUMBER:		DIA/DIA/THICKNESS:		12.000 FT	
WEIGHT SHIPPED:		2194.000 LB		SHIP TO:		THYSSENKRUPP CANADA		4700 BOIS FRANCO	
ST LAURENT, PQ H4S 1A7 CANADA		ST LAURENT, PQ H4S 1A7 CANADA		THYSSENKRUPP CANADA		4700 BOIS FRANCO		ST LAURENT, PQ H4S 1A7 CANADA	

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
200067187	0001	1	51.8	49.2	15.3	RE 93	N/A	N/A
200067187	0001	2	50.1	47.6	14.8	RE 93	N/A	N/A
200067187	0002	1	53.5	51.5	13.8	RE 92	N/A	N/A
200067187	0002	2	50.9	48.4	18.4	RE 93	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	SI	FE	CU	MN	MG	CR	ZN	TI	PB	BI	ZR	EA	TOT
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.03	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00

Applicable Requirements:

PER ASTM-A221-13, STENCILED ASME-S322.1 1998 SECT II PER AMS-QQ-A-200/8 (RFAF 2012)
UNSS# A96061 MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM
MECHANICAL PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

Miscellaneous Notes

MANUFACTURED IN USA WRITTEN IN USA
OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

Plant Serial: 00192496
Kaiser Order Number: 675731
Line Item: 002

THYSSENKRUPP MATERIALS NA

PART AEROSPACE
ALUMINUM ROUND BAR 6061-T6511
3.00" DIA X 72.0000"
PART NO.

PO/Ref 26417

Nous certifions que le document reproduit ici est
une copie conforme du rapport fourni par le
producteur du matériel ou les données résultant de

SIGNATURE

L'analyse a été faite par un laboratoire qualifié.

BL VTM-439734-002

11 Nov 14
Pg 2/2

Certificate of Mill Test Results

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT
<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFICATION
Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgment form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.
Almee L. Macnowski, Quality & Technology Manager

Almee L. Macnowski

Plant Serial: 00152496
Kaiser Order Number: 675731
Line Item: 002

Page 2 of 2

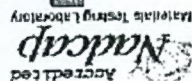
THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results
Pg 1/4

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

DART AEROSPACE
ALUMINUM PLATE 7075-T651
5.00" THICK X 4.5000" X 108.0000"
PART NO.

CERTIFIED TEST REPORT
Constellium Rolled Products Ravenswood, LLC



THYSSENKRUPP CA
THYSSENKRUPP MATERIALS CA LTD
2821 LANGSTAFF ROAD
CONCORD, ONT CM CANADA
L4K 5C6

THYSSENKRUPP CA
THYSSENKRUPP MATERIALS CA LTD
2821 LANGSTAFF ROAD
CONCORD, ONT CM CANADA
L4K 5C6

Constellium



PECKOVERS D05002 1800 INCLUSION SERIAL#: 20120920D05002 PAGE 1 OF 4

ITEM ORDERED 7075		ALLOY		CLAD		TEMPER		GAUGE		WIDTH		LENGTH	
7075		00		T651		5.00000		48.500		144.500			
TOOLING P/LT-DIST/GE SPEC PLATE, SAWED MILL													
CUSTOMER SPECIFICATION AMS-QQ-A-250/12													
PART NUMBER		BL NUMBER		DATE SHIPPED		GOVT CONTRACT NO.							
AMS-QQ-A-250/12				09/21/12		D05000							
WEIGHT SHIPPED		NO. OF PIECES		GOVT CONTRACT NO.									
7,230		2											

CERTIFICATION
Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination.

Constellium Rolled Products Ravenswood, LLC
Rt 2 South, Century Road
P.O. BOX 68
RAVENSWOOD, WV 26164 USA
Rodney J. Felty
Rodney J. Felty - Laboratory Manager

LOT NUMBER	TEST DIRECTION	NO. OF TESTS	ULTIMATE STRENGTH K.S.I.	YIELD STRENGTH K.S.I.	ELONGATION %	COND % IACS
302021	LT	2	67.9	52.9	12.0	12.5
		***** 1651	69.8	55.2	*****	
All material contained in lot 302021 was cast and manufactured in the USA.						
ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS						
SPECIAL CERTIFICATION STATEMENT FOR 7075 OVER 4 INCHES AMS 4045K AND ASTM B209-10						
SEE ACTUAL CHEMICAL COMPOSITION						
ALLOY	MIN	MAX	MIN	MAX	MIN	MAX
SILICON	MIN	MAX	MIN	MAX	MIN	MAX
IRON	MIN	MAX	MIN	MAX	MIN	MAX
COPPER	MIN	MAX	MIN	MAX	MIN	MAX
MANGANESE	MIN	MAX	MIN	MAX	MIN	MAX
MAGNESIUM	MIN	MAX	MIN	MAX	MIN	MAX
CHROMIUM	MIN	MAX	MIN	MAX	MIN	MAX
ZINC	MIN	MAX	MIN	MAX	MIN	MAX
TITANIUM	MIN	MAX	MIN	MAX	MIN	MAX
OTHERS	MIN	MAX	MIN	MAX	MIN	MAX
ALUMINUM REMAINDER						

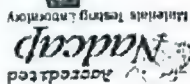
THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results
 11Nov14
 B/L PEC-905368-001
 Pg 3/4

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

DART AEROSPACE
 ALUMINUM PLATE 7075-T651
 5.00" THICK X 4.5000" X 108.0000"

CERTIFIED TEST REPORT
 Constellium Rolled Products Ravenwood, LLC



THYSSENKRUPP CA
 2821 LANGSTAFF ROAD
 CONCORD, ONT CM CANADA
 L4K 5C6

THYSSENKRUPP CA
 2821 LANGSTAFF ROAD
 CONCORD, ONT CM CANADA
 L4K 5C6



Constellium

SERIAL#: 20120920D05002 PAGE 3 OF 4

CUSTOMER PURCHASE ORDER NO. & ITEM		7075		ITEM ORDERED		TOOLING PLT-DIST/GE		SPEC PLATE, SAWED		CUSTOMER SPECIFICATION		AMS-99-A-250/12		DATE SHIPPED		P.O. BOX 68 RAVENWOOD, WV 26161 USA		Constellium Rolled Products Ravenwood, LLC		Rt 2 South Century Road		Hodney J. Ferry - Laboratory Manager	
ALLOY		7075		CLAD		00		TEMPER		1651		5.00000		48.500		144.500		LENGTH		176-201115		CERTIFICATION	
PECKOVERS		D05002 1800		INCLUSION		20120920D05002		PAGE 3 OF 4															

LOT NUMBER	TEST DIRECTION	TEST NO. 04	ULTIMATE STRENGTH K.S.I.	YIELD STRENGTH K.S.I.	ELONGATION %	COND % IACS
302021 C	SI	0.06	FE= 0.12	CU= 1.53	MN= 0.03	MG= 2.56
	CR	0.19	ZN= 5.61	TI= 0.04	ZR= 0.01	
	OTHERS-EACH					OTHERS TOTAL: .15 MAX. AL REMAINDER
ACTUAL CHEMICAL COMPOSITION						
SEE ACTUAL CHEMICAL COMPOSITION						
ALUMINUM REMAINDER						

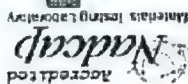
THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results
 11 Nov 14
 BL PEC-905368-001
 Pg 4/4

PO/Rd 26417
 We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

DART AEROSPACE
 ALUMINUM PLATE 7075-T651
 5.00" THICK X 45.000" X 108.0000"

CERTIFIED TEST REPORT
 Constellium Rolled Products Ravenswood, LLC



THYSSENKRUPP CA
 2821 LANGSTAFF ROAD
 CONCORD, ONT CM CANADA
 L4K 5C6

THYSSENKRUPP CA
 2821 LANGSTAFF ROAD
 CONCORD, ONT CM CANADA
 L4K 5C6

Constellium

PECKOVERS D05002 1800 INCLUSION SERIAL#: 20120920D05002 PAGE 4 OF 4

CUSTOMER PURCHASE ORDER NO. & ITEM		PEC-240255	
ALLOY	CLAD.	TEMPER	GAUGE
7075	00	T651	5.0000
ITEM ORDERED	TOOLING PLT-DIST/GE		
CUSTOMER SPECIFICATION			
SPEC PLATE, SAWED			
MILL			
PART NUMBER			
D05000		DATE SHIPPED	
09/21/12		GOVT CONTRACT NO.	
7,230		NO. OF PIECES	
2		GOVT CONTRACT NO.	

Constellium Rolled Products Ravenswood, LLC
 Rt 2 South, Century Road
 P.O. BOX 68
 RAVENSWOOD, WV 26164 USA
 Rodney J. Feby - Laboratory Manager

LOT NUMBER	TEST DIRECTION	NO OF TESTS	ULTIMATE STRENGTH K.S.I.	YIELD STRENGTH K.S.I.	ELONGATION %	COND % IACS
MIN	MAX	MIN	MAX	MIN	MAX	MIN
THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE.						
THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.						
CHEMISTRY BY OES: ARKSPARK						
CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT.						
WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399.						
WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557.						
DUNS Number: 090570149; CAGE Code: 1YWL9						
Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product.						
"END OF CERTIFICATION"						
OTHERS						
TITANIUM						
ZINC						
CHROMIUM						
MAGNESIUM						
MANGANESE						
COPPER						
IRON						
SILICON						
ALLOY						
SEE ACTUAL CHEMICAL COMPOSITION						
ALUMINUM REMAINDER						



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID PO26417

Purchase Order Date 11/6/2014
PO Print Date 11/7/2014

Page Number 1 of 4

Order From :

VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
HAWKESBURY, ON K6A 1K7
CANADA

CA

Contact Name
Vendor Phone
Ship To Contact
Ship To Phone
Ship Via:
Ship Acct:

905 669 9444

VENDOR'S TRUCK

Buyer
Customer POID
Customer Tax #
Terms
Net 30
CAD
FCA - (Free Carrier)

Line	Reference	Nbr	Vendor Part Number	Description/ Mfg ID	Reg Date/ Taxable	CD	Reg Qty/ Unit of Measure	PO Unit Price	Extended Price
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1	M6061T6B0.500X10.000			6061-T6 Bar .500 x 10.00	11/13/2014	Yes	48.00	\$13.35	\$640.80
MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR									
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116									
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR									
ASTM B221									

2	M6061T6R3.000			6061-T6 RD BAR 3.000"	11/13/2014	Yes	6.00	\$22.00	\$132.00
MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR									
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116									
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR									
ASTM B221									

PO Instructions: QUOTATION NO.
PEC ST-736344
PEC ST-739850
PEC ST-738862

Note:

11/7/2014

\$132.00

Line Total:

8014-11-12

\$640.80

Line Total:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO26417
Purchase Order Date 11/6/2014
PO Print Date 11/7/2014

Page Number 2 of 4

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
HAWKESBURY, ON K6A 1K7
CANADA
TORONTO, ON M5W 5V8
CA

Contact Name
Vendor Phone

905 669 9444

Ship To Contact
Ship To Phone
Ship Via:
Ship Acct:

VENDORS TRUCK

Buyer
Customer POID
Customer Tax #
Terms
Currency
FOB
FCA - (Free Carrier)

Chantal Lavoie

10127-2607

Net 30

CAD

3 M7075TB6B4.000X03.000 7075-T6 BAR 4.000" X 11/13/2014 12.00 \$68.75 \$825.00

3.000"

Yes 11/13/2014

F

MATERIAL: 7075-T6 OR T651/T6510/T62 ALUMINUM BAR PER AMS-Q0A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-Q0-A-200/11
OR FROM PLATE Q0-A-250/12

Line Total:

\$825.00

4 M7075TB6B0.375X8.000 7075-T6 Plate 0.375" X 11/13/2014 FN 24.00 \$21.25 \$510.00

8.000", Q0-A 250/12

Yes 11/13/2014

F

MATERIAL: 7075-T6 OR T651/T6510/T62 ALUMINUM BAR PER AMS-Q0A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-Q0-A-200/11
OR FROM PLATE Q0-A-250/12

Line Total:

\$510.00

5 M7075TB6B1.250X2.000 7075-T6 BAR 1.250" X 11/13/2014 12.00 \$21.25 \$255.00

2.000"

Yes 11/13/2014

F

MATERIAL: 7075-T6 OR T651/T6510/T62 ALUMINUM BAR PER AMS-Q0A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-Q0-A-200/11
OR FROM PLATE Q0-A-250/12

PO Instructions: QUOTATION NO.
PEC ST-736344
PEC ST-739850
PEC ST-738862
Note:

11/7/2014



Dart Aerospace Ltd.
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Purchase Order Date 11/6/2014
PO Print Date 11/7/2014
Page Number 3 of 4

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"
HAWKESBURY, ON K6A 1K7
1270 ABERDEEN
CANADA
TORONTO, ON M5W 5V8
CA

Contact Name
Vendor Phone
Ship To Contact
Ship To Phone
Ship Via:
Ship Acct:

905 669 9444

VENDOR'S TRUCK

Buyer
Customer POID
Customer Tax #
Terms
Currency
FOB
Chantal Lavoie
10127-2607
Net 30
CAD
FCA - (Free Carrier)

Line Total: \$255.00

6 M707ST6B2.000X00.750 7075-T6 BAR 2.000" X 0.750" 11/13/2014 24.00 11/13/2014 Yes f \$12.71 \$305.00

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR PER AMS-QQA-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11
OR FROM PLATE QQ-A-250/12

Line Total: \$305.00

9 M707ST6B4.500X05.000 7075-T6 BAR 4.5" x 5" 11/13/2014 9.00 11/13/2014 Yes f \$115.16 \$1,036.45

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR PER AMS-QQA-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11
OR FROM PLATE QQ-A-250/12

Line Total: \$1,036.45

Note:

PO Instructions: QUOTATION NO.
PEC ST-736344
PEC ST-739850
PEC ST-738862

11/7/2014



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Page Number 4 of 4

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"
HAWKESBURY, ON K6A 1K7
CANADA

CA

Contact Name
Vendor Phone

905 669 9444

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

10 71401-45

PROCUREMENT
QUALITY CLAUSES

11/13/2014

1.00

\$0.00

\$0.00

No

11/13/2014

Procurement Quality Clauses
A005 RIGHT OF ENTRY
A012 CHEMICAL AND PHYSICAL TEST REPORTS
A017 RAW MATERIAL IDENTIFICATION (AS
APPLICABLE)
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A040 NOTIFICATION OF QUALITY ESCAPE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENTS

Line Total:

\$0.00

PO Total:

\$3,704.25

PO Instructions: QUOTATION NO.

PEC ST-736344
PEC ST-739850
PEC ST-738862

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Mbr: 2

Change Date: 11/7/2014